1882

A.D.1881, July 19. N°.3141.
GILLIES' Specification.

(1 SHEET)

FIG.1.

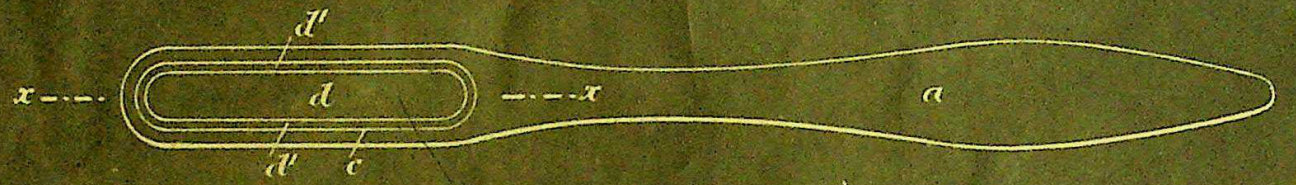
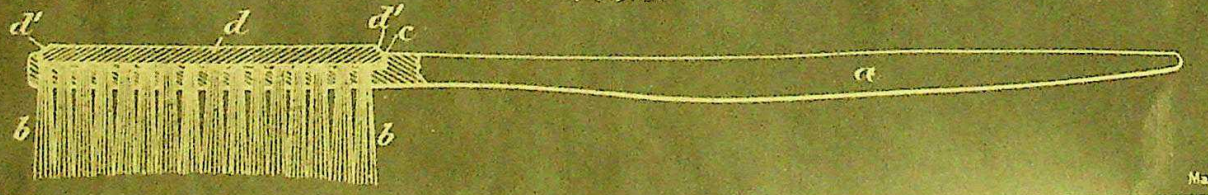


FIG.2.



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London: Printed by George Edward Eyre and William Spottiswoode,
Printers to the Queen's most Excellent Majesty. 1882

15/105

SPECIFICATION in pursuance of the conditions of the Letters Patent filed by the said George Gillies in the Great Seal Patent Office on the 19th January 1882.

GEORGE GILLIES, of Cloudesley Street, in the County of Middlesex. "IMPROVEMENTS IN TOOTH-BRUSHES."

This Invention relates to improvements in tooth-brushes, and consists in improved means whereby the bristles of such brushes may be secured to the stock or handle in a very efficient manner, so that they will not easily come out. It also consists in providing tooth-brushes with a mirror or mirrors to permit the users of such brushes to see their mouth, teeth, and gums, and thus enable them to give additional attention to those teeth which may require especial care to prevent their premature decay.

In the accompanying Drawing,

Figure 1 is a top view of the handle or stock of a tooth-brush with a mirror inserted therein according to this Invention, and

Figure 2 is a side view partly in longitudinal section of the said brush on the line *x*, *x*, Figure 1.

Like letters indicate the same parts in both of these Figures.

In carrying the said Invention into practice I form in the handle or stock *a* (which may consist of any suitable material, such as ivory, bone, horn, wood, xylonite, celluloid, or the like), and above the part wherein the bristles *b* are secured a recess *c* of the desired shape.

In this recess I insert a small mirror *d* which is of the same shape as the said recess, and is preferably provided with a bevelled edge d^1 to enable a large area or surface to be reflected by the same. In order to protect the back or inner surface of the said mirror from the injurious effects of moisture which might percolate through the bristles and the holes containing the same, I coat the said surface with a waterproof cement, preferably consisting of a solution of marine glue and naphtha.

In order to fix the mirror in the recess *c* and prevent the coming out of the bristles *b* from the stock *a* after they have been secured in the same by wires or by other means ordinarily employed, I prefer to employ a composition of cement consisting of zinc-white, shellac, spirits of wine, gum, varnish, and oil, or a composition of substantially equivalent materials, which will securely hold the said mirror and the bristles in place, and make a neat joint. The mirror when thus inserted in the back of the brush will impart to the same an elegant appearance, and as above stated will be of great utility to the user of the brush for the reason that it permits the teeth and other parts of the mouth to be readily inspected. The recess *c* and mirror *d* may be of any suitable size and shape, and in some cases a mirror or mirrors may be inserted in a similar manner to that above described in any portion or portions of the handle or stock *a* in addition to or instead of the mirror *c* shown in the Drawing.

Having thus fully described my said Invention and the manner of performing the same, I wish it understood that I claim,—

First. The employment of the composition consisting of the ingredients set forth, or substantially similar ingredients for securing the bristles and a mirror or mirrors in a tooth-brush, as above specified.

Second. A tooth-brush whose handle or stock is provided with a mirror or mirrors, substantially as above set forth and for the purposes specified.

In witness whereof, I, the said George Gillies, have hereunto set my hand and seal, this Nineteenth day of January, in the year of our Lord One thousand eight hundred and eighty two.

GEORGE GILLIES. (L.S.)

LONDON: Printed by GEORGE EDWARD EYRE and WILLIAM SPOTTISWOODE, Printers to the Queen's most Excellent Majesty. For Her Majesty's Stationery Office.

1882.